

Mission Planning Systems Engineering & Integration Contract (SEIC)



**SEIC Industry
Day
October 15, 2003**

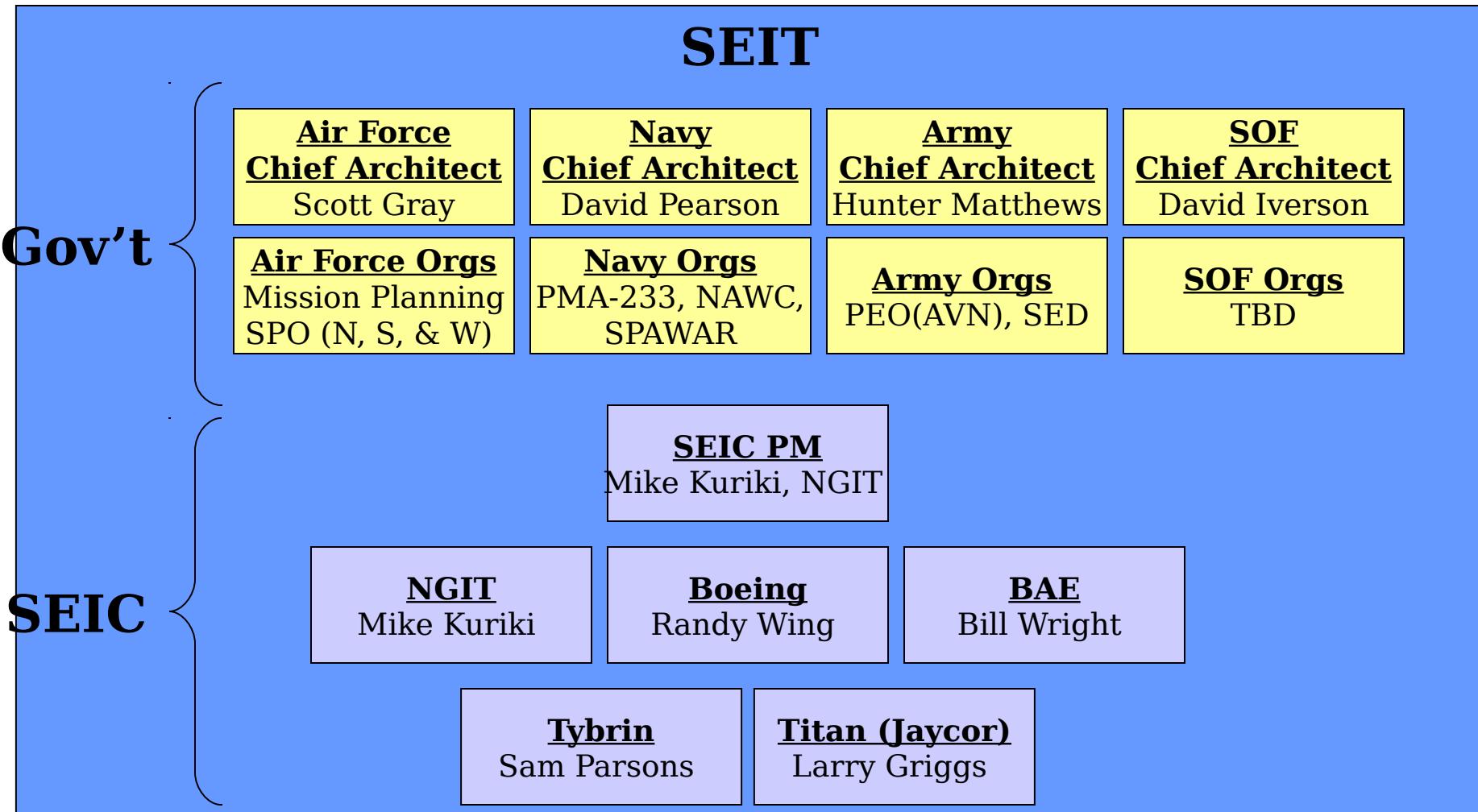
Agenda

- **Short Term SEIC Organization**
- **Short Term SEIC Tasking**
 - Requirements Analysis
 - Architecture/Design
 - System Integration/Test
 - Special Studies

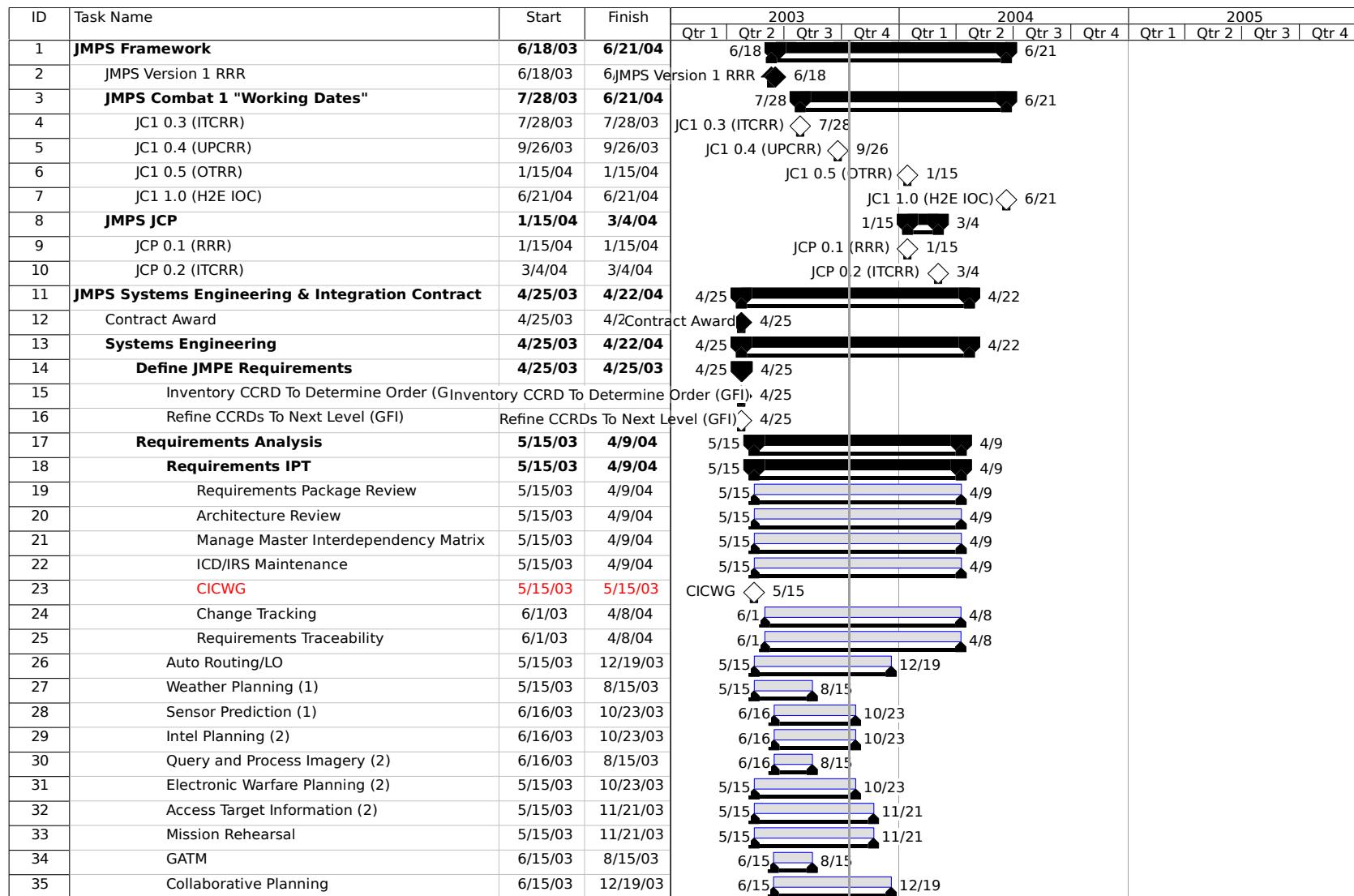
SEIC Business Overview - Organization

Gov't SEIC PM
Lt Sam Deaton

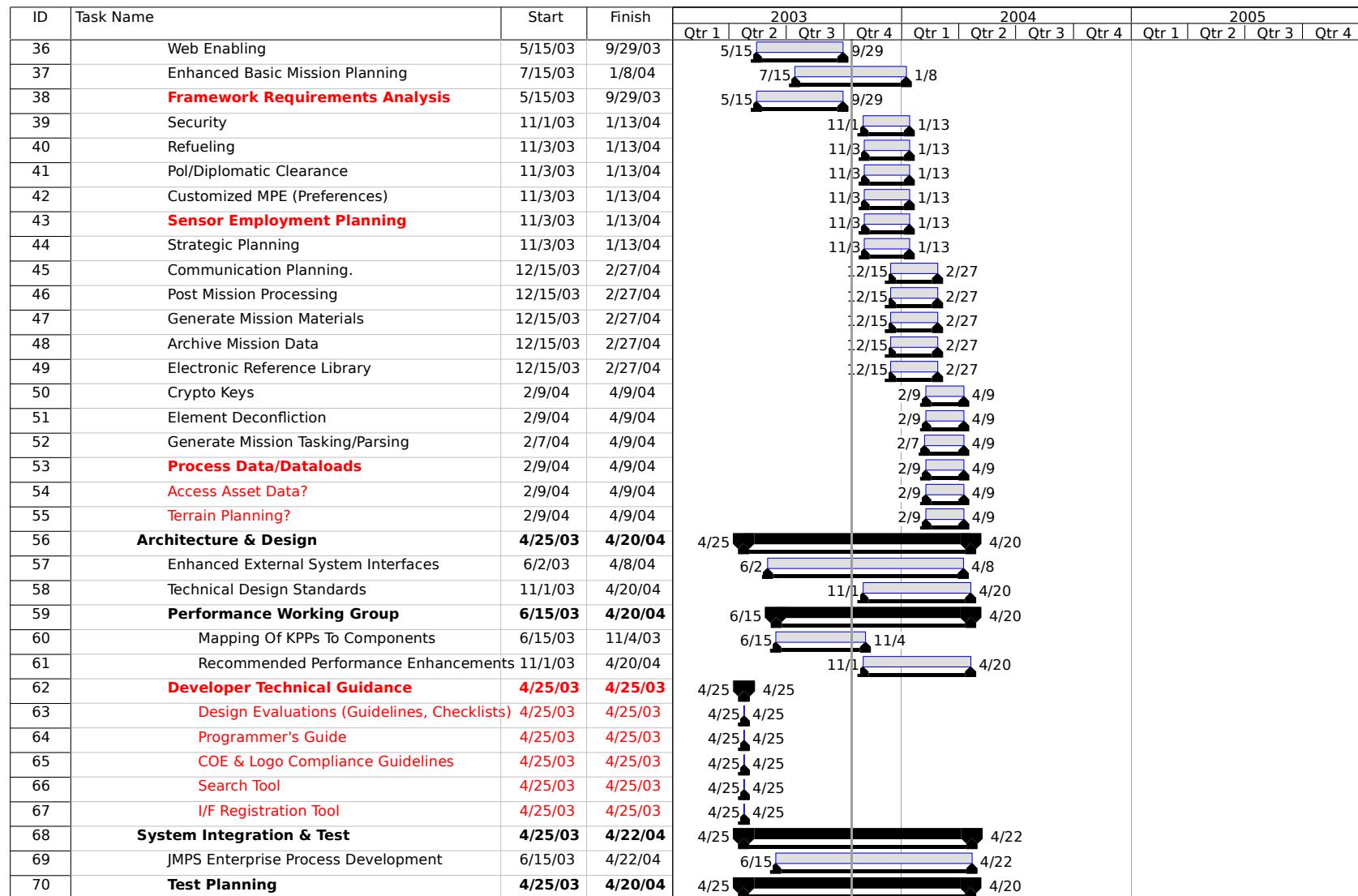
JEMT



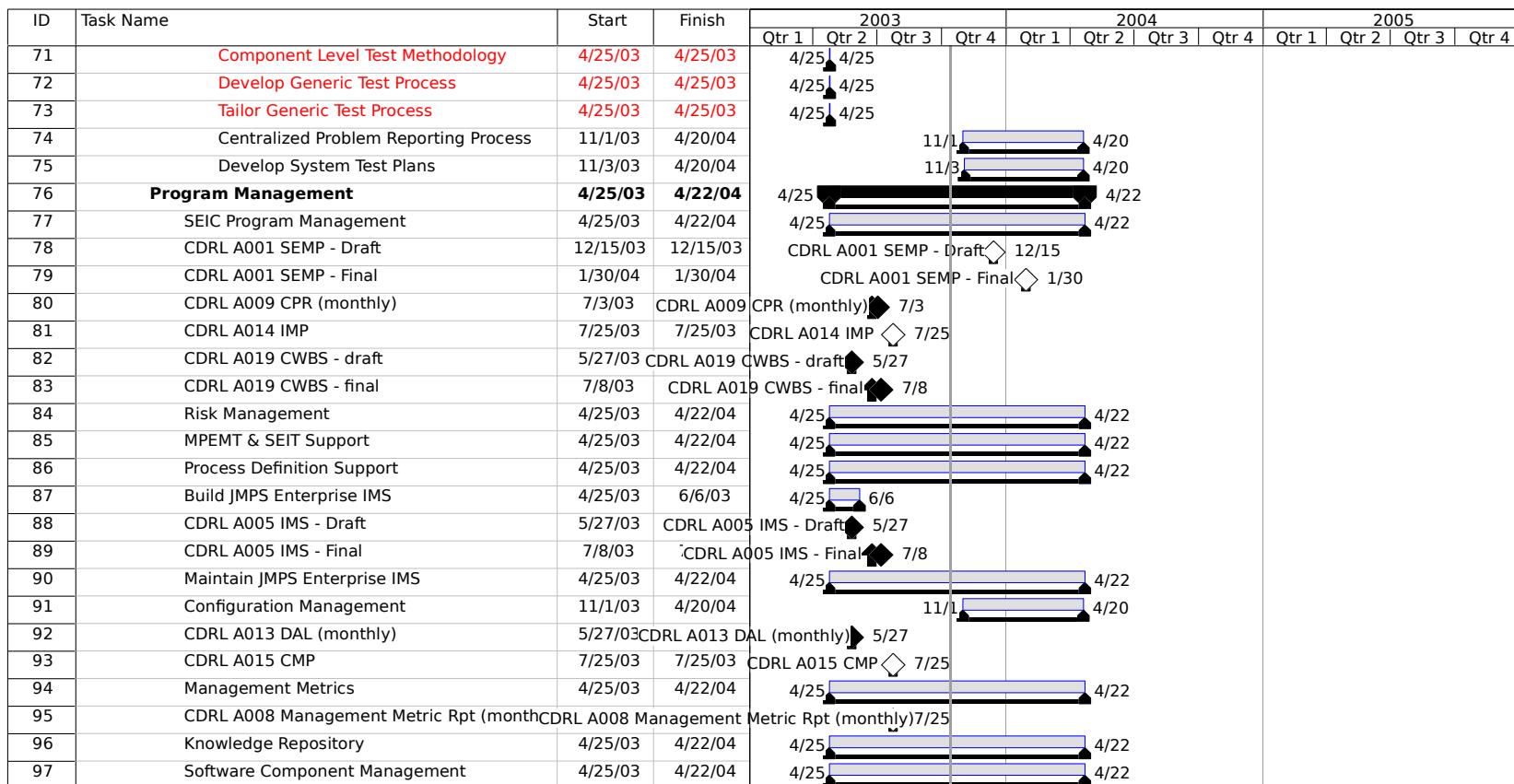
SEIC-ST Integrated Master Schedule



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SEIC-ST Tasking - Requirements

Analysis

Produce Common Capability Requirements Packages

- Define Common Capability Specification Template
 - Scope
 - Operational Overview
 - Capability Overview
 - Capability Prioritization
 - Design Constraints
- Validate coverage of common requirements by CCs
- Deconflict requirements between CCs
- Identify dependencies between CCs
- Produce CC Spec in coordination with Government teams
- Update CCRDs

SEIC-ST Tasking - Requirements

Analysis

Near Term Common Capabilities

• Weather	08-01-03
• GATM	09/21/03
• Sensor Prediction	10/23/03
• Query/Process Imagery	10/24/03
• Intel	11/21/03
• Mission Rehearsal	11/21/03
• Access Target Info	11/21/03
• Electronic Warfare Planning	12/19/03
• Autorouting	12/19/03
• Collaborative Planning	12/19/03
• Enhanced Basic Mission Planning	01/08/04
• Web Enabling	TBD

SEIC-ST Tasking - Requirements

Analysis

Remaining Common Capabilities

- Security 01/13/04
- Refueling 01/13/04
- Political/Diplomatic Clearances 01/13/04
- Customized MPE (Preferences) 01/13/04
- Sensor Employment Planning 01/13/04
- Strategic Planning 01/13/04
- Communications Planning 02/27/04
- Post Mission Processing 02/27/04
- Generate Mission Materials 02/27/04
- Archive Mission Data 02/27/04
- Electronic Reference Library 02/27/04
- Crypto Keys 04/09/04
- Element Deconfliction 04/09/04
- Generate Mission Tasking/Parsing 04/09/04

SEIC-ST Tasking - Architecture/Design

- **Support CC Requirements Analysis/Definition**
 - Will review CC architecture proposed by Requirements team
 - Architecture changes to existing components necessary to support CC will be reviewed
 - Design requirements for extensibility will be identified
 - Use of existing J MPS components will be identified
 - Candidate KPPs will be allocated to components
- **Establish J MPS Architecture Review Board**
 - On-going tasking would be to monitor common capability development to ensure compliance to J MPS architecture
- **Establish Performance WG**
 - Tasking includes monitoring overall J MPS performance as new common capabilities are added
- **Developer Technical Guidance**
 - Draft initial design standards, guidelines and checklists to be used in design evaluations
 - Begin work on developer support tools

SEIC-ST Tasking - System

Integration/Test

Produce Mission Planning Enterprise Integrated Master Schedule (IMS)

- **Mission Planning Enterprise Process Definition**
 - Mission Planning Enterprise Management Plan
 - Enterprise Decision Making
 - Enterprise IMS Generation & Maintenance
 - Framework Evolution/Technology Insertion Plan
 - Mission Planning Environment Assembly & Integration
 - Enterprise Requirements Definition
 - Enterprise Test Approach
 - Problem Report/Discrepancy Report Handling
 - Enterprise Configuration Management
 - Knowledge Management

Draft Enterprise Integrated Master

Schedule

JPMS F1.1.1 (Navy TAMPS off-the-boat)

- F1.1.1 Development**: 4/25/03 - 9/23/03
- F1.1.1 Maintenance**: 9/23/03 - 2/25/04
- F1.1.1 Based UPCs**: 4/25/03 - 9/2/04
- F-14**: 4/25/03 - 12/29/03
- F/A-18**: 4/25/03 - 12/29/03
- E-2C**: 4/25/03 - 12/29/03
- AV-8B**: 4/25/03 - 12/29/03
- JSOW**: 4/25/03 - 12/29/03
- JDAM**: 4/25/03 - 12/29/03
- SLAM**: 4/25/03 - 12/29/03
- HARM**: 4/25/03 - 12/29/03
- ARC-210**: 4/25/03 - 12/29/03
- TAMMAC**: 4/25/03 - 12/29/03
- ETRIMS**: 4/25/03 - 12/29/03
- P-3**: 4/25/03 - 7/1/04
- EA-6B**: 4/25/03 - 7/1/04
- T-45**: 4/25/03 - 7/1/04
- MV-22**: 4/25/03 - 9/2/04
- JPMS F1.1.2 (Army)**
- F1.1.2 Development**: 8/1/03 - 7/30/04
- F1.1.2 Maintenance**: 7/30/04 - 8/1/05
- ARMY PLATFORM UPCs**: 4/25/03 - 12/2/08
- AH-64A Mod**: 5/3/04 - 8/10/05
- AH-64D**: 5/3/04 - 3/27/07
- Version 9 w/GATM**: 5/3/04 - 8/10/05
- Version 10**: 2/28/05 - 3/8/06
- JTRS Integration (MY III)**: 2/28/06 - 3/9/07
- CH-47D w/GATM**: 5/3/04 - 8/10/05
- UH-60A/L w/GATM**: 5/3/04 - 8/10/05
- CH-47F**: 4/25/03 - 12/2/08
- GATM**: 3/1/04 - 10/6/04
- OH-58D KW CDS4 ph IIB**: 5/3/04 - 8/10/05
- OH-58D KW CDS2**: 5/3/04 - 8/10/05
- RAH-66**: 4/25/03 - 6/6/05
- UH/HH-60M (UH-60Q/HH-60L)**: 5/1/03 - 1/10/07

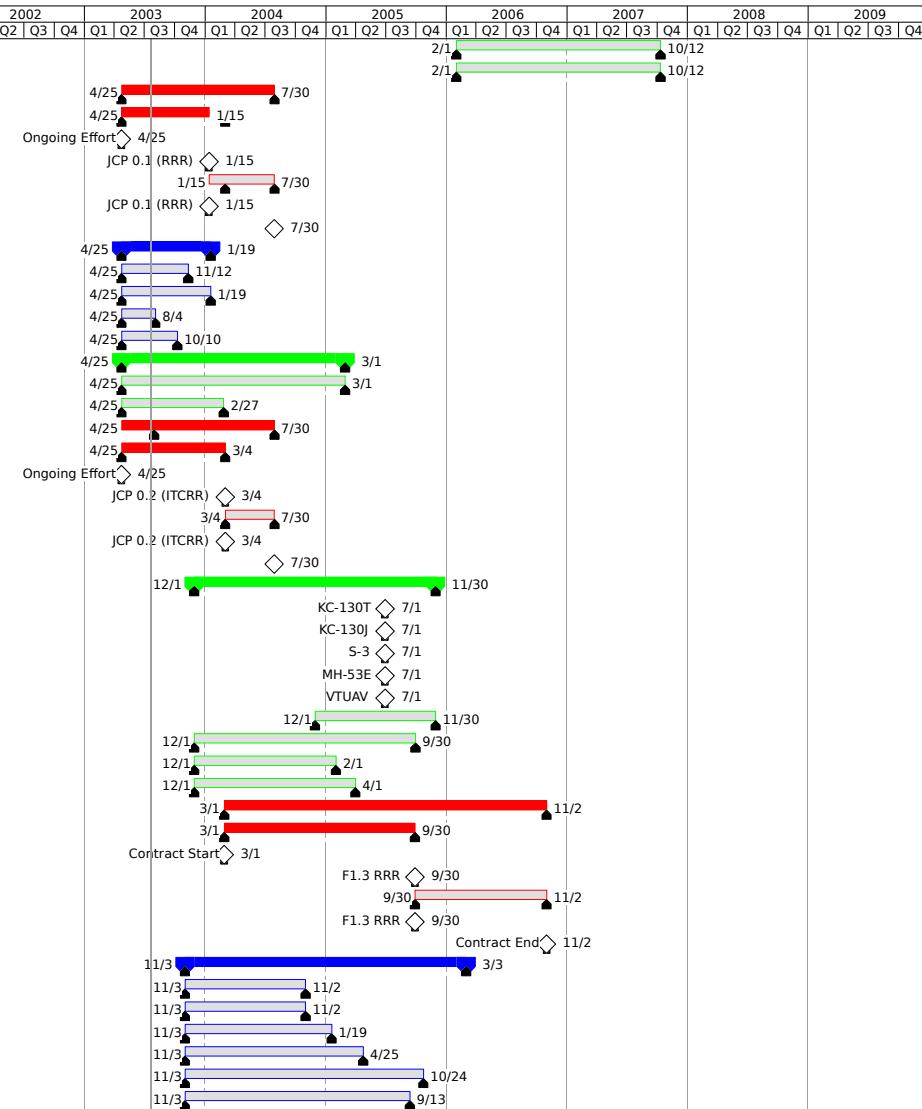
Timeline Summary:

- 2002**: JPMS F1.1.1 Development (4/25/03 - 9/23/03), JPMS F1.1.1 Maintenance (9/23/03 - 2/25/04), JPMS F1.1.1 Based UPCs (4/25/03 - 9/2/04), Army Platform UPCs (4/25/03 - 12/2/08)
- 2003**: JPMS F1.1.1 Development (4/25/03 - 9/23/03), JPMS F1.1.1 Maintenance (9/23/03 - 2/25/04), JPMS F1.1.1 Based UPCs (4/25/03 - 9/2/04), Army Platform UPCs (4/25/03 - 12/2/08)
- 2004**: JPMS F1.1.1 Maintenance (9/23/03 - 2/25/04), JPMS F1.1.1 Based UPCs (4/25/03 - 9/2/04), Army Platform UPCs (4/25/03 - 12/2/08)
- 2005**: JPMS F1.1.1 Based UPCs (4/25/03 - 9/2/04), Army Platform UPCs (4/25/03 - 12/2/08)
- 2006**: JPMS F1.1.1 Based UPCs (4/25/03 - 9/2/04), Army Platform UPCs (4/25/03 - 12/2/08)
- 2007**: JPMS F1.1.1 Based UPCs (4/25/03 - 9/2/04), Army Platform UPCs (4/25/03 - 12/2/08)
- 2008**: JPMS F1.1.1 Based UPCs (4/25/03 - 9/2/04), Army Platform UPCs (4/25/03 - 12/2/08)
- 2009**: JPMS F1.1.1 Based UPCs (4/25/03 - 9/2/04), Army Platform UPCs (4/25/03 - 12/2/08)

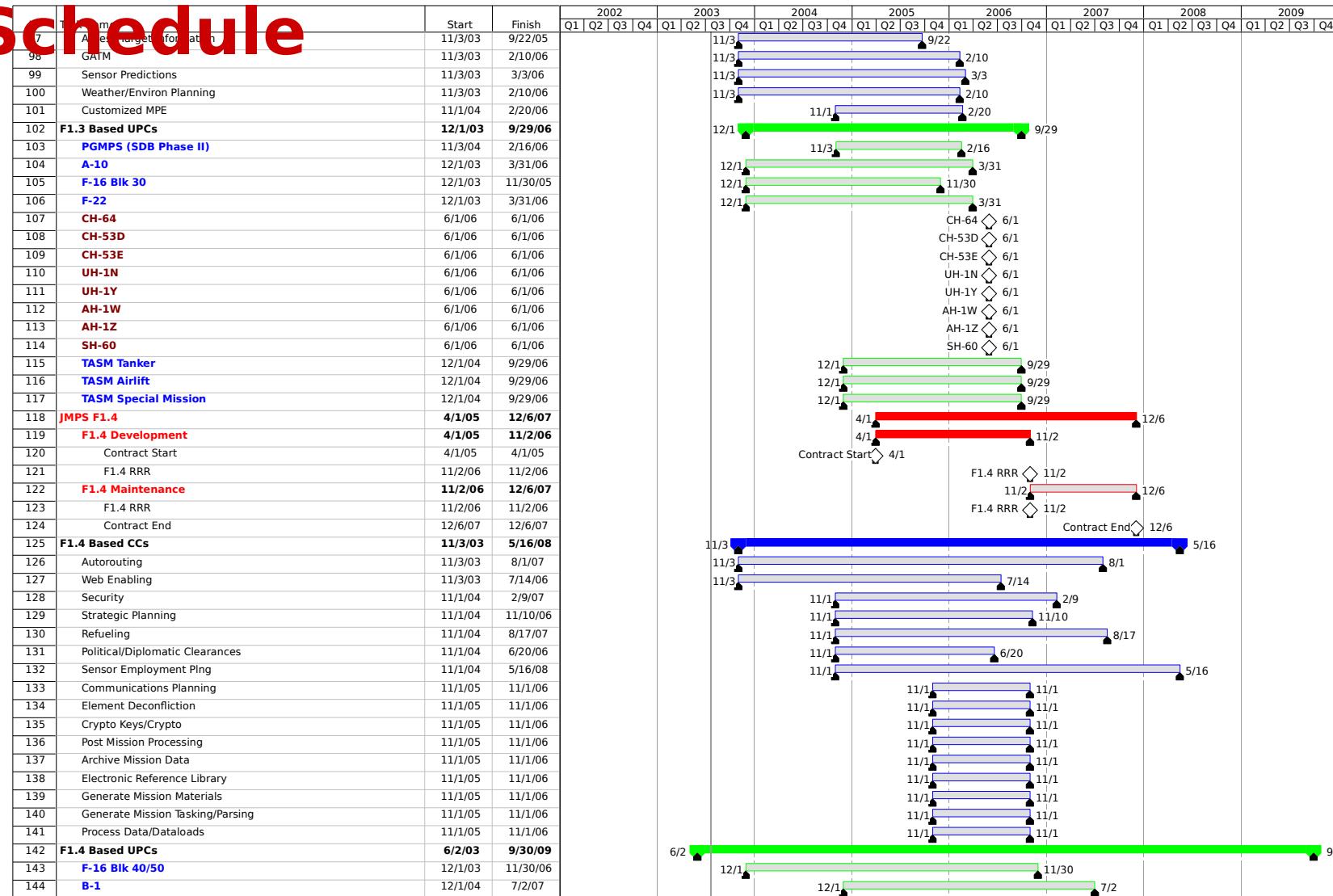
Draft Enterprise Integrated Master

Schedule

Schedule		Start	Finish
1	Task 1	2/1/06	10/12/07
9	Task 2	2/1/06	10/12/07
50	SUAV, UAV-L, UAV-M	4/25/03	7/30/04
51	JMPS F1.2.1 (JCP)	4/25/03	1/15/04
52	F1.2.1 Development	4/25/03	1/15/04
53	Ongoing Effort	4/25/03	4/25/03
54	JCP 0.1 (RRR)	1/15/04	1/15/04
55	F1.2.1 Maintenance	1/15/04	7/30/04
56	JCP 0.1 (RRR)	1/15/04	1/15/04
57	Contract End	7/30/04	7/30/04
58	F1.2.1 Based CCs	4/25/03	1/19/04
59	Weapons Effectiveness Tool	4/25/03	11/12/03
60	Airdrop (Sprial 1)	4/25/03	1/19/04
61	CWDS	4/25/03	8/4/03
62	Vertical Profile	4/25/03	10/10/03
63	F1.2.1 UPCs	4/25/03	3/1/05
64	F-15 MSIP, E	4/25/03	3/1/05
65	PGMPMS (J, J, W, A)	4/25/03	2/27/04
66	JMPS F1.2.2 (Standalone)	4/25/03	7/30/04
67	F1.2.2 Development	4/25/03	3/4/04
68	Ongoing Effort	4/25/03	4/25/03
69	JCP 0.2 (ITCRR)	3/4/04	3/4/04
70	F1.2.2 Maintenance	3/4/04	7/30/04
71	JCP 0.2 (ITCRR)	3/4/04	3/4/04
72	Contract End	7/30/04	7/30/04
73	F1.2.2 UPCs	12/1/03	11/30/05
74	KC-130T	7/1/05	7/1/05
75	KC-130J	7/1/05	7/1/05
76	S-3	7/1/05	7/1/05
77	MH-53E	7/1/05	7/1/05
78	VTUAV	7/1/05	7/1/05
79	Predator	12/1/04	11/30/05
80	U-2	12/1/03	9/30/05
81	RC-135	12/1/03	2/1/05
82	HH-60	12/1/03	4/1/05
83	JMPS F1.3 (AR Spiral 0, Common 3D Map I/F, Merge F1.1.2 & F1.2.3)	3/1/04	11/2/06
84	F1.3 Development	3/1/04	9/30/05
85	Contract Start	3/1/04	3/1/04
86	F1.3 RRR	9/30/05	9/30/05
87	F1.3 Maintenance	9/30/05	11/2/06
88	F1.3 RRR	9/30/05	9/30/05
89	Contract End	11/2/06	11/2/06
90	F1.3 Based CCs	11/3/03	3/3/06
91	Enhanced Basic Mission Planning	11/3/03	11/2/04
92	Intelligence Planning	11/3/03	11/2/04
93	Mission Rehearsal	11/3/03	1/19/05
94	EW Planning	11/3/03	4/25/05
95	Query/Process Imagery	11/3/03	10/24/05
96	Collaborative Planning	11/3/03	9/13/05



Draft Enterprise Integrated Master Schedule



Draft Enterprise Integrated Master Schedule

SEIC-ST Tasking - Special Studies

- **Advanced Computer Flight Planning (ACFP) High-Performance Team (HPT)**
 - Supported study to determine approaches to migrate ACFP to J MPS and to estimate cost of phased transition
- **MPS Life Cycle Upgrade (LCU)**
 - Performed study to define hardware requirements for development hardware suite for the LCU
- **Synchronized Air Power Management (SAPM) Phase II**
 - Performing gap analysis on workflow portion of SAPM to determine simplest approach to make it suitable for fielding
- **Security Engineer**
 - Providing a dedicated engineering resource to support MPS security issues